

WHAT IS CLAIMED IS:

1. A structure of a power line fixing module for an electronic apparatus, comprising:

an electronic-apparatus housing comprising a first side plate having a first fixing hole;

a power line having a connector at one end thereof;

a fixing medium cooperating with said connector of said power line for fixing said connector of said power line in said first fixing hole of said first side plate; and

at least a fixing element for fixing said fixing medium on said first side plate.

2. The structure according to claim 1, wherein said electronic apparatus is one selected from a group consisting of a power adapter, a power supply, a charger, a household appliance and an information appliance.

3. The structure according to claim 1, wherein said electronic-apparatus housing further comprises:

a second side plate; and

a metal extrusion housing assembled with said first side plate and said second side plate to form a closed space for mounting a printed circuit board.

4. The structure according to claim 1, wherein said connector of said power line comprises a first flanged ring, a second flanged ring and a groove, wherein said groove is positioned between said first flanged ring and said second flanged ring.

5. The structure according to claim 4, wherein said fixing medium comprises:

a first fixing plate having a first opening, a first extending plate and a first

flange rib, wherein said first extending plate is perpendicularly extended from a portion of an edge area of said first opening, and said first flange rib is formed inside said first extending plate; and

a second fixing plate having a second opening, a second extending plate and a second flange rib, wherein said second extending plate is perpendicularly extended from a portion of an edge area of said second opening, and said second flange rib is formed inside said second extending plate.

6. The structure according to claim 5, wherein said first opening and said second opening are cooperated to form a second fixing hole for mounting said connector of said power line when said first fixing plate, said second fixing plate and said connector are assembled together, said first flange rib and said second flange rib are lodged in said groove of said connector, and said first extending plate and said second extending plate are cooperated to form a circular extending portion of said fixing medium.

7. The structure according to claim 6, wherein said first flanged ring and said second flanged ring have an identical cross section to said second fixing hole, and said circular extending portion of said fixing medium has an identical cross section to said first fixing hole.

8. The structure according to claim 5, wherein said first fixing plate comprises at least a first perforation, and said second fixing plate comprises at least a second perforation corresponding to said first perforation.

9. The structure according to claim 8, wherein said first side plate further comprises at least a tap hole.

10. The structure according to claim 9, wherein said fixing element is a screw for passing through said first perforation of said first fixing plate and said second perforation of said second fixing plate and locking in said tap hole

of said first side plate so as to fix said fixing medium on said first side plate.

11. The structure according to claim 5, wherein said fixing element is an elastic locking-piece mounted on an outside of said first extending plate of said first fixing plate and/or an outside of said second extending plate of said second fixing plate.

12. A structure of a power line fixing module for an electronic apparatus, wherein said electronic apparatus comprises a housing, and said housing comprises a first side plate having a first fixing hole, comprising:

- a power line having a connector at one end thereof;

- a fixing medium cooperating with said connector of said power line for fixing said connector of said power in said first fixing hole of said first side plate; and

- at least a fixing element for fixing said fixing medium on said first side plate.

13. A structure of a power line fixing module in a power adapter, comprising:

- a first side plate having a first fixing hole;

- a second side plate;

- a metal extrusion housing assembled with said first side plate and said second side plate to form a closed space for mounting a printed circuit board;

- a power line having a connector at one end thereof;

- a fixing medium cooperating with said connector of said power line for fixing said connector of said power line in said first fixing hole of said first side plate; and

- at least a fixing element for fixing said fixing medium on said first side plate.

14. The structure according to claim 13, wherein said connector of said power line comprises a first flanged ring, a second flanged ring and a groove, wherein said groove is positioned between said first flanged ring and said second flanged ring.

15. The structure according to claim 14, wherein said fixing medium comprises:

a first fixing plate having a first opening, a first extending plate and a first flange rib, wherein said first extending plate is perpendicularly extended from a portion of an edge area of said first opening, and said first flange rib is formed inside said first extending plate; and

a second fixing plate having a second opening, a second extending plate and a second flange rib, wherein said second extending plate is perpendicularly extended from a portion of an edge area of said second opening, and said second flange rib is formed inside said second extending plate.

16. The structure according to claim 15, wherein said first opening and said second opening are cooperated to form a second fixing hole for mounting said connector of said power line when said first fixing plate, said second fixing plate and said connector are assembled together, said first flange rib and said second flange rib are lodged in said groove of said connector, and said first extending plate and said second extending plate are cooperated to form a circular extending portion of said fixing medium.

17. The structure according to claim 16, wherein said first flanged ring and said second flanged ring have an identical cross section to said second fixing hole, and said circular extending portion of said fixing medium has an identical cross section to said first fixing hole.

18. The structure according to claim 15, wherein said first fixing plate

comprises at least a first perforation and said second fixing plate comprises at least a second perforation corresponding to said first perforation.

19. The structure according to claim 18, wherein said first side plate further comprises a tap hole, and said fixing element is a screw for passing through said first perforation of said first fixing plate and said second perforation of said second fixing plate and locking in said tap hole of said first side plate so as to fix said fixing medium on said first side plate.

20. The structure according to claim 15, wherein said fixing element is an elastic locking-piece mounted on an outside of said first extending plate of said first fixing plate and/or an outside of said second extending plate of said second fixing plate.